

ABSTRACT OF THE DISCLOSURE

The present invention relates to:

(1) a catalyst for producing a rigid polyurethane foam by means of at least one blowing agent selected from  
5 the group consisting of 1,1,1,3,3-pentafluoropropane (HFC-245fa), 1,1,1,3,3-pentafluorobutane (HFC-365mfc) and a low boiling point hydrocarbon, which comprises:

(A) an aliphatic amine compound and at least one amine compound selected from the group consisting of  
10 triethylenediamine, N,N,N',N'-tetramethyl-1,6-hexanediamine and N,N-dimethylcyclohexylamine: or

(B) an amine compound having an alkyl ether group and/or an aryl ether group in its molecule;

(2) a catalyst for producing a rigid  
15 polyisocyanurate foam by means of at least one blowing agent selected from the group consisting of 1,1,1,3,3-pentafluoropropane (HFC-245fa), 1,1,1,3,3-pentafluorobutane (HFC-365mfc) and a low boiling point hydrocarbon, which comprises an aliphatic amine compound  
20 and a polyisocyanurate catalyst;

(3) a process for producing a rigid polyurethane foam excellent in the adhesive strength and flame retardancy of the foam, by means of the above-mentioned catalyst for forming a rigid polyurethane foam and, as a  
25 blowing agent, at least one blowing agent selected from the group consisting of 1,1,1,3,3-pentafluoropropane (HFC-245fa), 1,1,1,3,3-pentafluorobutane (HFC-365mfc) and

a low boiling point hydrocarbon; and

(4) a process for producing a rigid polyisocyanurate foam excellent in the flame retardancy, adhesive strength and dimensional stability of the foam, by means of the  
5 above-mentioned catalyst for producing a rigid polyisocyanurate foam and, as a blowing agent, at least one blowing agent selected from the group consisting of 1,1,1,3,3-pentafluoropropane (HFC-245fa), 1,1,1,3,3-pentafluorobutane (HFC-365mfc) and a low boiling point  
10 hydrocarbon.